



Eco-Solar Home Tour 2025

Sunday 8 June, Noon to 5 pm

Maple Crest NZE Home



Tour Day: Sun 8 Jun

Address:

Hosts: Homeowners

Parking: On street

Energuide Rating: 66
GJ/Year

Summary points why people need to see your home

- Solar-Powered Living – 38 solar panels and a smart energy system minimize grid reliance.
- Efficient & Comfortable – Heat pump, electric water heater, and passive solar heating.
- Sustainable Water Use – Rainwater recovery and weeping tile system for irrigation.
- Smart & Eco-Friendly – EV charging, exterior garden, and energy-synced appliances

What are the main things people will see and learn about at your home?

- 38 Solar panels
- 3 Ton heat pump
- Electric Vehicle
- Electric water tank
- Rainwater containers
- Large windows facing south (passive heat)
- Exterior Garden
- Basement Garden (construction in progress, completion target May 25)





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Why is this home on the tour?

This home is an example of how sustainable technologies and lifestyle can work together to create a functional, comfortable, and energy-efficient living space. It features 38 solar panels that generate clean, renewable electricity, reducing reliance on the grid. The passive solar heating design maximizes natural sunlight for warmth, while electrical radiant heaters provide targeted, energy-efficient heating. Additionally, the heat pump enhances comfort by offering efficient heating and cooling, and the electric water heater further supports the commitment to reducing energy consumption. An electric vehicle reduces the carbon footprint on this home, along with minimizing gasoline use.



What features save on energy costs?

- Producing our own electricity via the solar panels to cover our energy usage.
- Electric Car charging
- Heating
- Cooling
- Water heating
- The Largest windows in the house are all places south to heat the kitchen/living room and the master bedroom passively
- The solar panels are placed east and west to accommodate the times of day where electricity is used the most (morning/evening) to avoid pulling energy from the grid as much as possible.

What features save on water costs?

- The rainwater recovery barrels placed on either side of the home for garden and to water the trees on the property.
- Weeping tile from eavestroughs leading to tree to water trees directly from the rain.

Other special features

- Exterior Garden
- Electric Car
- Smart thermostat programmed to schedule the heat pump when the solar panels produce energy.
- Schedule set to use certain appliances based on solar output (laundry, dishwasher, hot shower use)

